

IN THE CLAIMS

Please cancel claims 1, 2, 5-7, 10 and 11 without prejudice. Please add the following scannable version of new claims 12-34.

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1 -12. (New) A method of positioning an article, the method comprising:
2 rotating the article about a first rotational axis using a first voice coil actuator by
3 adjusting a first current supplied to the first voice coil actuator; and

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4 rotating the article about a second rotational axis using a second voice coil
5 actuator by adjusting a second current supplied to the second voice coil actuator, the
6 second voice coil actuator including a generally planar coil assembly having at least two
7 coils.

1 13. (New) The method of claim 12, wherein the article is a camera.

1 14. (New) The method of claim 12, wherein the first rotational axis is a
2 substantially horizontal axis substantially perpendicular to an optical axis of the article.

1 15. (New) The method of claim 12, wherein the second rotational axis is a
2 substantially vertical axis substantially perpendicular to an optical axis of the article.

1 16. (New) The method of claim 12, further comprising rotating the article up
2 to at least 360 degrees about the second rotational axis.

1 17. (New) The method of claim 12, further comprising using a control system
2 to control rotating of the article about the first and second rotational axes.

1 18. (New) The method of claim 17, wherein the control system comprises a set
2 of sensors for generating signals representative of an angular position of the article.

1 19. (New) The method of claim 17, wherein the control system comprises at
2 least one processor capable of receiving signals representative of an angular position of
3 the article and responsively adjusting the current supplied to the first and second voice
4 coil actuators such that the article is caused to rotate in a direction of desired angular
5 position.

1 20. (New) A rotational positioning device for position an article, the
2 rotational positioning device comprising:

3 a first voice coil actuator coupled to the article for rotating the article about a first
4 rotational axis by adjusting a first current supplied to the first voice coil actuator; and
5 a second voice coil actuator coupled to the article for rotating the article about a
6 second rotational axis by adjusting a second current supplied to the second voice coil
7 actuator, the second voice coil actuator enabling the article to rotate up to at least 360
8 degrees about the second rotational axis.

1 21. (New) The rotational positioning device of claim 20, wherein the second
2 voice coil actuator comprises a generally planar coil assembly including at least two
3 coils to which current may be independently supplied.

1 22. (New) The rotational positioning device of claim 20, further comprising a
2 yoke for rotatably supporting the article, the article being rotatable relative to the yoke
3 about the first rotational axis.

1 23. (New) The rotational positioning device of claim 22, wherein the second
2 voice coil actuator is fixedly coupled to the yoke for co-rotation therewith.

1 24. (New) The rotational positioning device of claim 20, further comprising a
2 rotation device coupled to the article and to the first and second voice coil actuators, the
3 rotation device rotatably supporting the article.

1 25. (New) The rotational positioning device of claim 20, wherein the article is
2 a camera.

1 26. (New) The rotational positioning device of claim 20, wherein the article is
2 a video camera.

1 27. (New) A rotational positioning device for positioning an article, the
2 rotational positioning device comprising:

3 means for rotating the article about a first rotational axis using a first voice coil
4 actuator by adjusting a first current supplied to the first voice coil actuator; and
5 means for rotating the article about a second rotational axis using a second voice
6 coil actuator by adjusting a second current supplied to the second voice coil actuator,
7 the second voice coil actuator including a generally planar coil assembly having at least
8 two coils.

1 28. (New) The rotational positioning device of claim 27, wherein the article is
2 a means for recording an image.

1 29. (New) The rotational positioning device of claim 27, wherein the first
2 rotational axis is a substantially horizontal axis substantially perpendicular to an optical
3 axis of the article.

1 30. (New) The rotational positioning device of claim 27, wherein the second
2 rotational axis is a substantially vertical axis substantially perpendicular to an optical
3 axis of the article.

1 31. (New) The rotational positioning device of claim 27, further comprising
2 rotating the article up to at least 360 degrees about the second rotational axis.

1 32. (New) The rotational positioning device of claim 27, further comprising
2 using a control means to control rotating of the article about the first and second
3 rotational axes.

1 33. (New) The rotational positioning device of claim 32, wherein the control
2 means comprises a sensing means for generating signals representative of an angular
3 position of the article.

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1 34. (New) The rotational positioning device of claim 32, wherein the control
2 means comprises at least one processing means capable of receiving signals
3 representative of an angular position of the article and responsively adjusting the
4 current supplied to the first and second voice coil actuators such that the article is
5 caused to rotate in a direction of desired angular position.—

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